Index of Claims

| Appl | cation | <b>Control</b> | No. |
|------|--------|----------------|-----|
|------|--------|----------------|-----|

10/632,399

Examiner

Joseph T. Woitach

Applicant(s)/Patent under Reexamination

THOMSON ET AL.

Art Unit

1632

| <b>V</b> | Rejected |
|----------|----------|
| =        | Allowed  |

| - | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| + | Restricted                     |

| Z | Non-Elected  |
|---|--------------|
| _ | Interference |

| Α | Appeal   |
|---|----------|
| 0 | Objected |

| Cla  | aim         |                 |  |  | [        | Date     | В            |                 |                 |           | Cla          | aim      |                 |                |        | Date      | •                   |          |          | ] [  | CI       | aim        |                 |                 |          | Da       | ite     |         |         |         |
|--|-------------|-----------------|--|--|----------|----------|--------------|-----------------|-----------------|-----------|--------------|----------|-----------------|----------------|--------|-----------|---------------------|----------|----------|--|----------|------------|-----------------|-----------------|----------|----------|---------|---------|---------|---------|
|  | <del></del> |                 |  |  |          |          |              |                 |                 |           |              | 3        |                 |                |        |           |                     |          |          |  |          | 3          |                 |                 |          |          |         | Т       |         |         |
| Final  | Original    | 1/3/06          |  |  |          |          |              |                 |                 |           | Final        | Original |                 |                |        |           |                     |          |          |  | Final    | Original   |                 |                 |          |          | Т       | Т       |         | 1       |
| ΙŒ   | Ę           | 😤               |  |  |          |          |              |                 |                 |           | 证            | ,<br>ji  |                 |                | 1      | 1         |                     |          |          |  | ίÏ       | Ĕ          |                 |                 |          |          | Т       |         |         |         |
|  |             | _               |  | _  |          |          |              |                 |                 | _         | L            |          | Ш               |                |        | ⊥_        | $\Box$              |          |          | ļ <u>.</u>                                   |          |            |                 | _               |          |          | $\perp$ | ┵       | ┸       |         |
|  | 1           | +               |  |  |          | Ш        |              |                 |                 | _         |              | 51       |                 |                | _      |           |                     | $\perp$  | ╙        |  |          | 101        |                 |                 | ┵        |          | ┸       | 4       |         | $\perp$ |
|  | 2           | 4               |  |  |          |          |              |                 |                 | _         |              | 52       |                 |                | 典      |           |                     |          | _        |  |          | 102        |                 |                 | ᆚ        | ┷        | ┸       | _       |         | $\bot$  |
|  | 3           | Ц               | $oxed{oxed}$                                     |  |          |          | Ш            | Щ               |                 | _         | $\Box$       | 53       |                 | _              | _      | ↓         | $\perp$             | _        | _        | ļļ.  |          | 103        |                 |                 | $\perp$  | _        | 4       | 1       | _       | ↓       |
|  | 4           | Ц               | L.   |  |          |          |              | Щ               |                 | _         |              | 54       | $\sqcup$        |                |        | 1_        | $\perp$             |          | <b> </b> |  |          | 104        |                 |                 | $\perp$  | 4.       | 4       | 4       |         | 4_      |
|  | 5           | $\sqcup$        |  | _  |          |          |              | $\sqcup$        | $\dashv$        | _         |              | 55       | $\vdash$        | _              | _      | 1         | $\rightarrow$       | -        | ₩        |  |          | 105        | Ш               | _               | +        | 4        | +       | +       | +       | +       |
|  | 6           | Ц               | _  | $\vdash$   | _        |          | Н            |                 | -               | _         |              | 56       | $\vdash$        | -              | +-     | +         | $\vdash$            | +        | ┼        | <b>.</b>                                     |          | 106        | $\vdash$        |                 | +        | +        | +       | +       | +       | +       |
|  | 7           | Н               | <u> </u>   | _  | _        |          | _            | -               | $\dashv$        | 4         |              | 57       | $\vdash$        | -              | -      | $\vdash$  | $\vdash$            | +        | +-       | <b> </b>                                     |          | 107        | $\vdash$        |                 | +        | +        | +       | +       | +       | +       |
|  | 8           | Н               | $oxed{oxed}$                                     |  |          | Ш        | Н            | Н               | $\dashv$        | $\dashv$  |              | 58       | $\vdash$        | -              | +      | +         | $\vdash$            |          | ╄        |  |          | 108        | -               | -               | +        | +        | +       | +       | +       | +       |
|  | 9           | Н               | -  | ⊢  | ┝        | Н        | Н            | Н               | $\dashv$        | $\dashv$  | <u> </u>     | 59       | $\vdash$        | +              | +      | +         | -                   | +        | +-       | <b>                                     </b> |          | 109        | $\dashv$        | -               | +        | +        | +       | +       | +       | +       |
| <del> </del>                                     | 10          | $\vdash \vdash$ | $\vdash$   | <u> </u>   | $\vdash$ | $\vdash$ | $\vdash$     | $\vdash \dashv$ | $\vdash$        | $\dashv$  | $\vdash$     | 60       | $\vdash$        | +              | +      | +         | $\vdash$            | +        | +-       | ł  |          | 110        | $\vdash$        | -+              | +        | +        | +       | +       | +       | +-      |
|  | 11<br>12    | $\vdash$        | $\vdash$   | ├-   | -        | -        | $\vdash$     | $\vdash$        | $\vdash$        | $\dashv$  |              | 61<br>62 | $\vdash$        | +              | ╁      | +         | $\dashv$            | +        | +        | ╢  |          | 111<br>112 | $\vdash$        | +               | +        | +        | +       | ┰       | +       | +-      |
| <u> </u>   | 13          | H               | -  | $\vdash$   | -        | -        | $\vdash$     | $\vdash\vdash$  | $\vdash$        | $\dashv$  |              | 63       | $\vdash \vdash$ | +              | +-     | ╁         | $\dashv$            | $\dashv$ | +        |  |          | 113        | $\vdash$        | $\dashv$        | +        | +        | +       | +       | +       | +       |
| $\vdash$   | 14          | Н               | $\vdash$   | <del> </del>                                     | -        | -        | $\vdash$     | $\vdash$        | $\vdash$        | $\dashv$  |              | 64       | $\vdash$        | +              | +      | +         | -                   |          | $\vdash$ |  |          | 114        | $\vdash$        | $\dashv$        | +        | +        | +       | +       | +       | +       |
| $\vdash$   | 15          | +               | $\vdash$   | -  | H        | $\vdash$ | H            | $\vdash$        | H               | $\dashv$  | <b> </b> -   | 65       | $\vdash$        | +              | +      | +-        | $\dashv$            | $\dashv$ | +        | liiiil                                       |          | 115        | -               | +               | +        | +        | +       | +       | +       | +       |
| <del>                                     </del> | 16          | Ť               | $\vdash$   | $\vdash$   | $\vdash$ | $\vdash$ | H            | Н               | $\vdash$        | $\dashv$  | <del> </del> | 66       | $\vdash$        | +              | +      | +         | $\dashv$            | $\dashv$ | +        | liiil  |          | 116        | $\vdash$        | $\dashv$        | +        | +        | +       | +       | +       | +       |
|  | 17          | $\vdash$        | $\vdash$   | $\vdash$   | $\vdash$ | $\vdash$ | Н            | Н               | H               | $\dashv$  |              | 67       |                 | +              | +      | +-        | -+                  | +        | +        |  |          | 117        | $\vdash$        | $\dashv$        | +        | +        | +       | +       | +       | +       |
|  | 18          | $\vdash$        | $\vdash$   | $\vdash$   |          | $\vdash$ | $\vdash$     | H               | H               | $\dashv$  | $\vdash$     | 68       | $\vdash$        | -              | +      | +         | $\vdash$            | +        | +        | ╽┈╽  |          | 118        | $\vdash$        | -               | - -      | +        | +       | +       | +       | +       |
|  | 19          | -               | ┢  | $\vdash$   |          | $\vdash$ | H            | Н               | Н               | $\neg$    | $\vdash$     | 69       | $\vdash$        | $\dashv$       | +      | +         | $\vdash$            | $\top$   | +        | 1  |          | 119        | $\dashv$        | 十               | $^+$     | +        | +       | +       | +       | +       |
|  | 20          | _               | -  | -  | -        |          | H            | Н               | H               | $\dashv$  |              | 70       | $\vdash$        | $\dashv$       | +      | +         | $\vdash$            | +        | +        | 1  |          | 120        |                 | $\dashv$        | +        | +        | +       | +       | +       | +       |
|  | 21          |                 | † <u> </u>                                       | <u> </u>   | T        |          |              | Н               | H               | _         |              | 71       | $\Box$          | $\neg$         | $\top$ | +         | $\vdash$            | $\top$   | T        |  |          | 121        |                 | $\dashv$        | $\top$   | $\top$   | ╅       | $\top$  | 十       | +       |
| _  | 22          | _               | T  | $\vdash$   |          |          |              | Н               | H               | $\neg$    |              | 72       | $\Box$          |                | ╅      | $\dagger$ | $\neg$              | $\neg$   | 1        |  |          | 122        |                 | $\neg \uparrow$ | $\top$   | +        | ╅       | +       | ╅       | +       |
|  | 23          |                 | T  |  | Г        |          |              |                 | П               |           |              | 73       | $\Box$          | 十              | 十      | +         | $\vdash$            | $\top$   |          |  |          | 123        |                 | $\dashv$        | 1        | ╅        | 1       | $\top$  | 1       | +       |
|  | 24          | $\vdash$        |  |  | <u> </u> |          |              | П               | П               |           |              | 74       | $\Box$          | 十              | 十      | $\dagger$ |                     | _        | $\top$   |  |          | 124        |                 | 一               | 十        | 十        | T       | $\top$  | 1       | $\top$  |
|  | 25          |                 | İ  |  | <u> </u> | Г        |              | П               | П               |           |              | 75       | П               |                | 十      | T         | $\neg$              |          | T        |  |          | 125        | П               | 寸               | $\top$   | $\top$   | $\top$  | $\top$  | 1       | $\top$  |
|  | 26          |                 |  |  |          |          |              | П               | П               |           |              | 76       | П               | T              |        | T         |                     |          |          |  |          | 126        |                 | 十               | 丁        | T        | T       | T       |         | 1       |
|  | 27          |                 |  | Г  |          |          |              | П               | П               | $\neg$    |              | 77       |                 | 7              | T      |           |                     |          | 1        |  |          | 127        |                 |                 | T        | ╗        | 7       | Т       | T       | T       |
|  | 28          |                 |  |  |          |          |              |                 | П               |           |              | 78       |                 |                |        |           |                     |          |          |  |          | 128        |                 |                 |          |          |         |         |         | Ι       |
|  | 29          |                 |  |  |          |          |              |                 |                 |           |              | 79       |                 |                |        |           |                     |          |          |  |          | 129        |                 |                 |          |          |         |         |         |         |
|  | 30          |                 |  |  |          |          |              |                 |                 |           |              | 80       |                 |                |        |           |                     |          |          |  |          | 130        |                 |                 |          |          | $\perp$ |         |         |         |
|  | 31          |                 |  |  |          |          |              |                 |                 |           |              | 81       |                 |                |        |           |                     |          |          |  |          | 131        |                 |                 |          |          |         |         |         | 上       |
|  | 32          |                 |  | L  |          |          |              | Ш               | Ш               |           |              | 82       | П               | $\perp \Gamma$ | $\bot$ | L         | П                   |          |          |  |          | 132        |                 | $\perp$         | $\perp$  | Ţ        | $\perp$ | $\perp$ | 1       |         |
|  | 33          |                 | Ļ  | <u> </u>   | <u> </u> |          | Ш            | Ш               | Ш               | _         |              | 83       | $\sqcup$        | $\perp$        | $\bot$ | _         | $\sqcup$            | _ _      | 4        |  |          | 133        | $\sqcup$        | _               | _        |          | 4       | _ _     | 4       | 4_      |
|  | 34          | <u> </u>        | $ldsymbol{f eta}$                                | <u> </u>   | 1_       | <u> </u> | $\sqcup$     | Ш               | Щ               | _         |              | 84       | $\sqcup$        | $\perp$        | $\bot$ | $\perp$   | $\sqcup$            | $\bot$   | 1_       |  |          | 134        | Ш               | _               | 4.       | 4.       | $\perp$ | $\perp$ | $\perp$ | ╀       |
| L  | 35          | <u> </u>        | ـ  | <u> </u>   | <u> </u> | _        | $\sqcup$     | Ш               | Ш               | _         | ļ            | 85       | $\sqcup$        | _              | 4      | -         | $\sqcup$            | $\perp$  | $\perp$  | 1  |          | 135        |                 | $\dashv$        | +        | 4        | +       | -       | +       | ┼       |
| <u> </u>   | 36          | <u> </u>        | $\vdash$   | <u> </u>   |          | L_       | $oxed{oxed}$ | Ш               | Ш               | _         |              | 86       | $\sqcup$        | $\dashv$       | 4      | ╀-        | $\sqcup$            |          | —        |  |          | 136        | $\sqcup$        | 4               | -        | +        | +       | 4       | +       | +       |
|  | 37          | <u> </u>        | $\vdash$   | ┡  | <u> </u> |          | ļ            | Ш               | $\sqcup$        | _         | <u> </u>     | 87       | $\vdash$        | -              | +      | ╄         | $\vdash \downarrow$ |          | +        |  | <u>_</u> | 137        | $\vdash$        | $\dashv$        | -        | +        | +       | +       | +       | +       |
| <u> </u>   | 38          | -               | -  | <del> </del>                                     | -        | -        | -            | $\vdash$        | $\vdash$        | $\dashv$  | <b>-</b>     | 88       | $\vdash \vdash$ | -              | +      | +         | $\dashv$            |          | +        |  |          | 138        | -               | +               | +        | - -      | +       | +       | +       | +-      |
| <u> </u>   | 39          | -               | -  | <del> </del>                                     | ├-       |          | -            | Н               | $\vdash \vdash$ | $\dashv$  | <b>-</b>     | 89<br>90 | $\vdash \vdash$ |                | +-     | ╁         | $\dashv$            |          | +-       |  |          | 139<br>140 | $\vdash$        | $\dashv$        | +        | +        | +       | +       | +       | +       |
| <u> </u>   | 40          | ⊢               | -  | ├  | ├        | $\vdash$ | $\vdash$     | Н               | $\vdash$        | -         |              | 91       | $\vdash$        | +              | +      | ╁         | $\vdash \vdash$     |          | +        | ł  |          | 141        | $\vdash \vdash$ | $\dashv$        | +        | +        | ╬       | +       | +       | +       |
| <u> </u>   | 41          | -               | -  | $\vdash$   | ├-       |          | $\vdash$     | $\vdash$        | $\vdash$        | $\dashv$  |              | 92       | $\vdash \vdash$ | +              | +-     | +         | ₩                   | +        | +        | łiii   |          | 141        | ├─┤             | +               | +        | ┰        | +       | +       | +       | +       |
| <u> </u>   | 42          | $\vdash$        | $\vdash$   | $\vdash$   | ⊢        | $\vdash$ | $\vdash$     | Н               | $\vdash \vdash$ |           | $\vdash$     | 93       | ┝┼              | +              | +      | +         | $\vdash$            | +        | +        |  |          | 142        | $\vdash$        | $\dashv$        | +        | +        | +       | +       | +       | +       |
| $\vdash$   | 44          | $\vdash$        | -  | $\vdash$   | -        | $\vdash$ | -            | $\vdash$        | $\vdash \vdash$ | $\dashv$  | <del></del>  | 94       | $\vdash$        |                | +      | +         | $\dashv$            | $\dashv$ | +        | Hiii   |          | 143        | $\vdash \vdash$ | $\dashv$        | -+-      | +        | +       | ┰       | +       | +       |
| <del>                                     </del> | 45          | $\vdash$        | $\vdash$   | $\vdash$   | $\vdash$ |          | $\vdash$     | $\vdash$        | Н               | -         |              | 95       | $\vdash$        |                | +-     | +         | $\vdash$            |          | +        |  |          | 145        | -               | $\dashv$        | +        | +        | +       | 十       | +       | +       |
| <del></del>                                      | 46          | $\vdash$        | $\vdash$   | $\vdash$   |          |          |              | $\vdash$        | H               | $\dashv$  |              | 96       | $\vdash \vdash$ | $\dashv$       | - -    | +         | $\vdash$            |          | t        | 1  |          | 146        | $\vdash$        | $\dashv$        | $\dashv$ | +        | +       | +       | +       | +       |
| <del> </del>                                     | 47          | $\vdash$        | <del>                                     </del> | <del>                                     </del> |          |          |              | $\vdash$        | $\vdash$        | $\dashv$  |              | 97       | -               | $\dashv$       | _      | $\top$    | $\vdash$            | $\dashv$ | $\top$   | 11111  |          | 147        | $\vdash$        | $\dashv$        |          | $\dashv$ | +       | +       | $\top$  | +       |
|  | 48          |                 | T  | $\vdash$   | 一        | $\vdash$ | $\vdash$     | $\vdash$        | H               | $\dashv$  |              | 98       | -               | $\top$         | +      | +         | $\vdash$            | +        | †        |  |          | 148        |                 | $\dashv$        | $\dashv$ | $\top$   | $\top$  | +       | $\top$  | 十       |
| <b>—</b>   | 49          |                 | 1  | $\vdash$   |          |          |              | Н               | H               | $\exists$ |              | 99       | H               | $\top$         | +      | +         | $\vdash$            | +        | †        |  |          | 149        | H               | 十               | $\dashv$ | $\top$   | +       | 十       | $\top$  | †       |
|  | 50          | T               | <u> </u>   | ┢  |          |          | $\vdash$     | $\Box$          | H               | $\exists$ |              | 100      | H               |                | _      | T         | $\vdash$            | _        | $\top$   | 1  |          | 150        | $\Box$          | 寸               | $\top$   | +        | T       | $\top$  | $\top$  | T       |
|  |             | <u> </u>        | Ц_   | Щ  |          | L        |              |                 | ш               |           | <br>Ь        |          | ٠٢              |                |        |           |                     |          |          | 1[   |          |            | Щ.              |                 |          |          |         |         |         |         |